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TOWNSEND and TOWNSEND and CREW LLP

By: Mark T. Davis

#172 6852
PATENT
Attorney Docket No.: 019957-013820US
Client Reference No.: 03

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APR 07 2003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Shawn DeFrees et al.

Application No.: 09/442,111

Filed: November 17, 1999

For: LOW COST MANUFACTURE OF
OLIGOSACCHARIDES

Examiner: C. Fronda

Art Unit: 1652

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed.

Also enclosed is a copy of the Search/Examination report corresponding to the European application.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

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representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Beth L. Kelly
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SF 1444255 v1

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FEE TRANSMITTAL

for FY 2003

MAR 31 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180

Complete If Known

Application Number	09/442,111
Filing Date	November 17, 1999
First Named Inventor	DeFrees, Shawn
Examiner Name	C. Fronda
Group Art Unit	1652
Attorney Docket No.	019957-013820US

METHOD OF PAYMENT (check all that apply)

Check Credit Card MoneyOrder Other None
 Deposit Account:

Deposit Account Number **20-1430**

Deposit Account Name **Townsend and Townsend and Crew LLP**

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fees from below	Fee Paid
			**	**	**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	1053 130	Surcharge - late filing fee or oath	
1052 50	2052 25	1812 2,520	Surcharge - late provisional filing fee or cover sheet.	
		1804 920*	Non-English specification	
		1805 1,840*	For filing a request for reexamination	
		1806 110	Requesting publication of SIR prior to Examiner action	
		1807 2251	Requesting publication of SIR after Examiner action	
		1251 410	Extension for reply within first month	
		1252 2252	Extension for reply within second month	
		1253 930	Extension for reply within third month	
		1254 1,450	Extension for reply within fourth month	
		1255 1,970	Extension for reply within fifth month	
		1401 320	Notice of Appeal	
		1402 320	Filing a brief in support of an appeal	
		1403 280	Request for oral hearing	
		1451 1,510	Petition to institute a public use proceeding	
		1452 110	Petition to revive - unavoidable	
		1453 1,300	Petition to revive - unintentional	
		1501 1,300	Utility issue fee (or reissue)	
		1502 470	Design issue fee	
		1503 630	Plant issue fee	
		1460 130	Petitions to the Commissioner	
		1807 50	Petitions related to provisional applications	
		1806 180	Submission of Information Disclosure Stmt	180
		8021 40	Recording each patent assignment per property (times number of properties)	
		1809 750	Filing a submission after final rejection (37 CFR § 1.129(a))	
		1810 750	For each additional invention to be examined (37 CFR § 1.129(b))	
		1801 750	Request for Continued Examination (RCE)	
		1802 900	Request for expedited examination of a design application	
			Other fee (specify)	

*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$180)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Beth Kelly	Registration No. (Attorney/Agent)	51,868	Telephone	415-576-0200
Signature				Date	

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